



# OKS 241 Copper Paste, Spray





#### Description

High-temperature screw paste on copper basis for preventing corrosion, seizing and binding.

### **Applications**

- Assembling screw threaded connections subjected to high temperatures and corrosive influences
- Screwed connections at pipe fittings, flange joints and fittings in superheated steam lines
- Combustion chamber screwed connections and mounting bolts of gas and oil burners
- Screwed connections at combustion engines, exhaust systems, silencers and exhaust gas pipe connections

#### **Branches**

- · Plant and machine (tool) engineering
- · Rail vehicle technology
- · Chemical industry
- · Rubber and plastic processing
- · Paper and packaging industry
- Shipbuilding and marine technology
- · Iron and steel industry
- Logistics
- · Glass and foundry industry
- Municipal services

## **Application tips**

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Evenly spray a sufficient amount of OKS 241 onto the head or nut contact surface and thread. Do not use paste instead of grease and mix only with suitable lubricants.

## **Packaging**

· 400 ml Spray

## **Advantages and benefits**

- Allows reliable non-destructive dismantling even after longer operating period under high operating and ambient temperatures
- Provides an optimal ratio of screw pretension and tightening torque
- · Electrically conductive











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#### **Technical data**

|                                   | Standard          | Conditions                                                             | Unit                 | Value                     |
|-----------------------------------|-------------------|------------------------------------------------------------------------|----------------------|---------------------------|
| Main components                   |                   |                                                                        |                      |                           |
| base oil                          |                   |                                                                        |                      | synthetic oil             |
| thickener                         |                   |                                                                        |                      | inorganic                 |
| solid lubricants                  |                   |                                                                        |                      | copper                    |
| solid lubricants                  |                   |                                                                        |                      | MoS₂                      |
| solid lubricants                  |                   |                                                                        |                      | other solid lubricants    |
| Application related technica      | al data           |                                                                        |                      |                           |
| flashing point                    | DIN ISO 2592      | > 79                                                                   | °C                   | > 20                      |
| drop point                        | DIN ISO 2176      |                                                                        | °C                   | without                   |
| unworked penetration              | DIN ISO 2137      | no shear stress                                                        | 0.1 mm               | 290-330                   |
| ower operating temperature        |                   |                                                                        | °C                   | -30                       |
| upper operating temperature       |                   | separation                                                             | °C                   | 1100                      |
| colour                            |                   |                                                                        |                      | copper-brown              |
| density                           | DIN EN ISO 3838   | at 20°C                                                                | g/cm³                | 0.82                      |
| our-ball test rig welding load    | DIN 51 350-4      |                                                                        | N                    | 2,800                     |
| Total friction coefficient (μ)    | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide |                      | 0.09                      |
| oreakaway torque                  | DIN 267-27        | M10 A2, 40 Nm, 400 °C, 100 h                                           | Nm                   | < 2,5 x tightening torque |
| press-fit test (μ)                | draft DIN 51 833  |                                                                        |                      | 0,12, no chatter          |
| Product specific technical d      | ata               |                                                                        |                      |                           |
| electrical conductivity (at 23°C) | DIN IEC 247       |                                                                        | \$1_OHM_CM 2,27x10^8 |                           |
| Properties and approvals          |                   |                                                                        |                      |                           |
| UFI                               |                   |                                                                        |                      | 1SY4-W058-3003-QGAU       |

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